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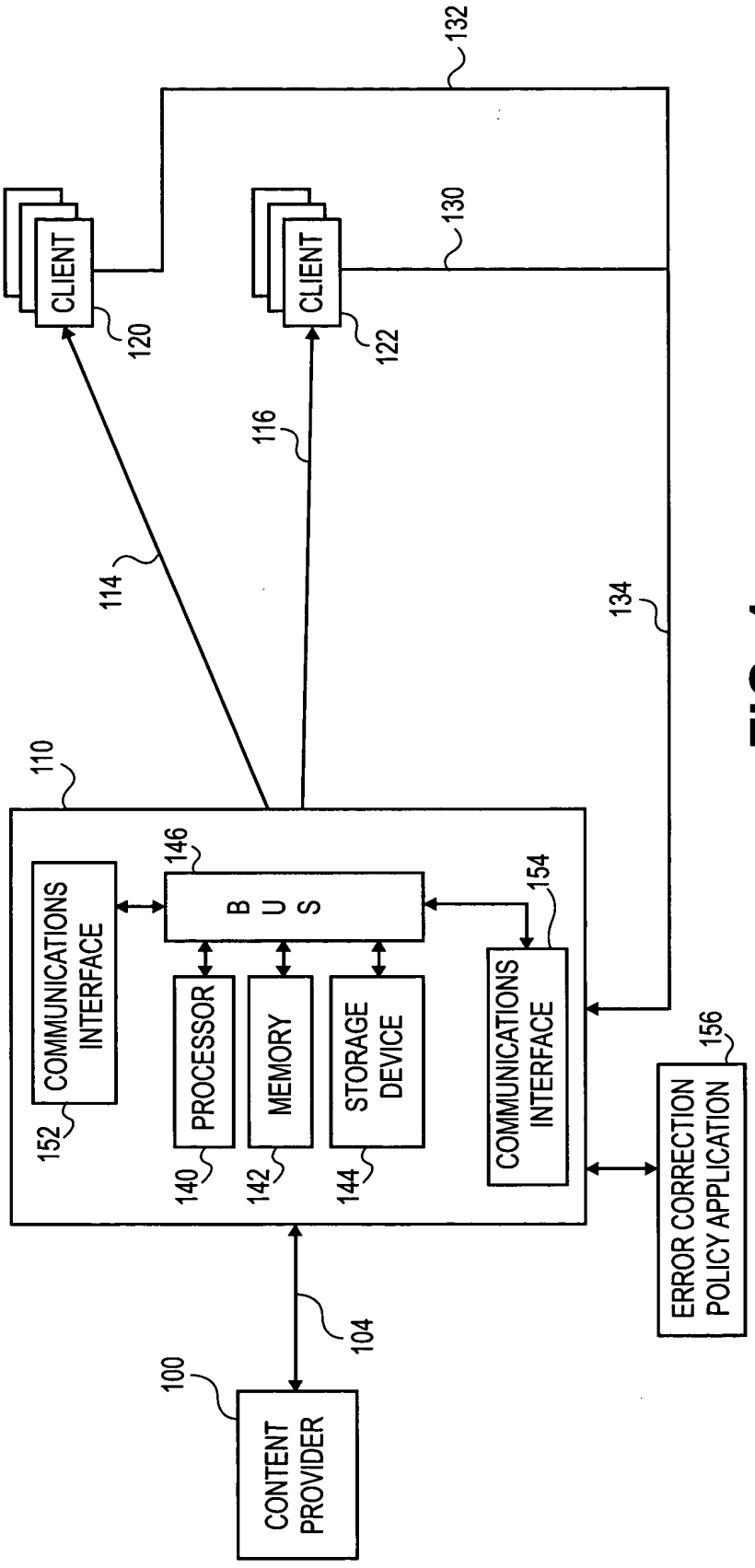

FIG. 1

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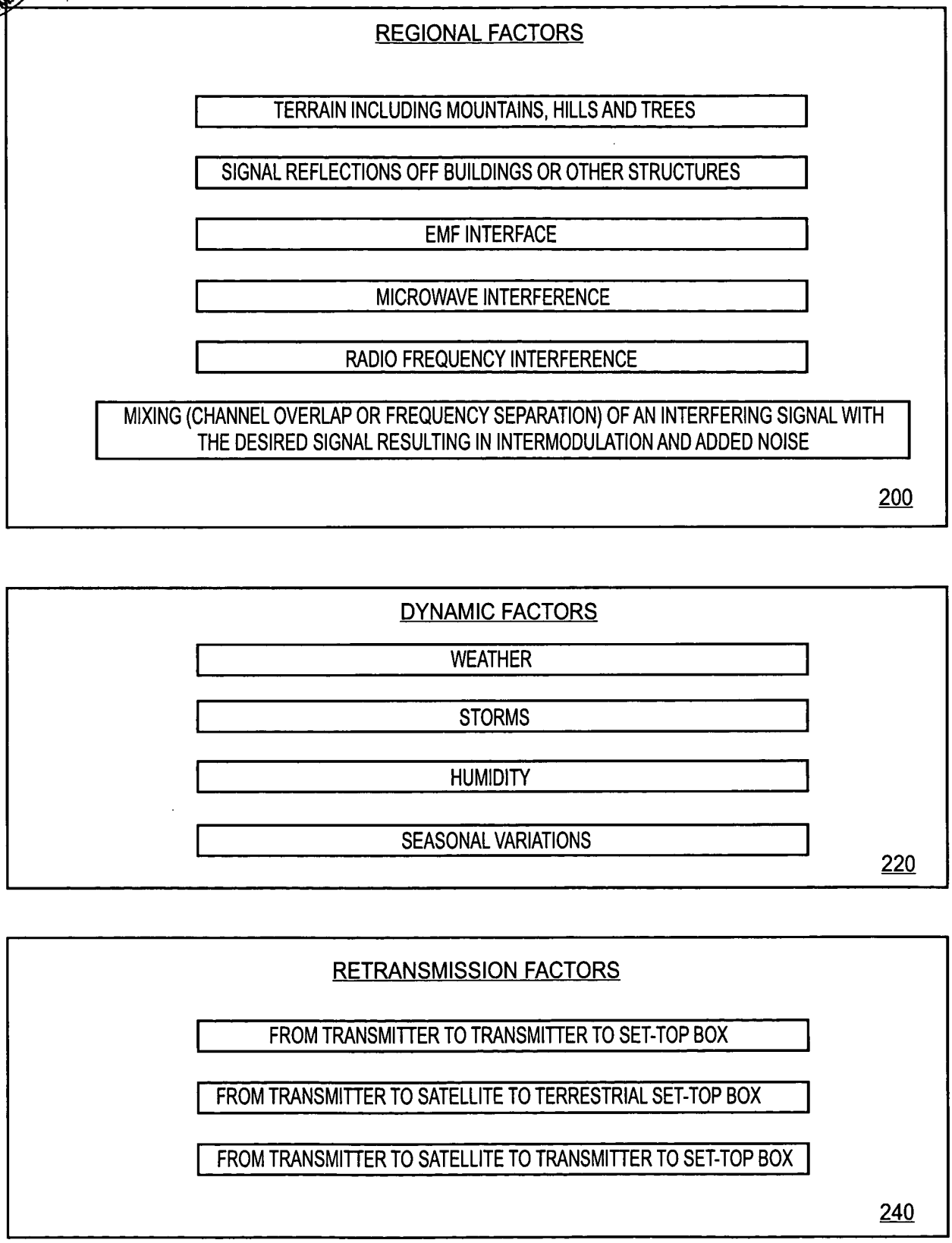

FIG. 2

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ERROR CORRECTION POLICY APPLICATION

CONTROLS AND OPTIMIZES BANDWIDTH AND QUALITY OF SERVICE (QOS) OF A GIVEN BROADCAST BASED ON REGIONAL FACTORS INCLUDING TERRAIN, DYNAMIC FACTORS INCLUDING WEATHER AND SEASON, AND RETRANSMISSION FACTORS

COMPARES THE TRANSMITTED DATA ERRORS TO AT LEAST ONE OF THE PREDETERMINED TOLERABLE TRANSMITTED DATA ERROR LEVEL AND A PREDETERMINED TOLERABLE TRANSMITTED DATA ERROR LEVEL FOR A PREDETERMINED TIME PERIOD

UTILIZES ERROR CORRECTION CODING AND ERROR DETECTION CODING

UTILIZING FORWARD ERROR CORRECTION (FEC)

DYNAMICALLY ADJUSTS ERROR CORRECTION LEVELS

UTILIZES CONVOLUTIONAL (TREE) CODES AND BLOCK CODES

MEASURES BIT ERROR RATES IN TERMS OF QUANTITY OF BIT ERRORS OCCURRING OVER SOME UNIT OF TIME

NO OTHER ERROR ANALYSIS INPUT IS REQUIRED FOR ERROR CORRECTION OTHER THAN ERROR REPORTING BY THE SET-TOP BOX

FIG. 3

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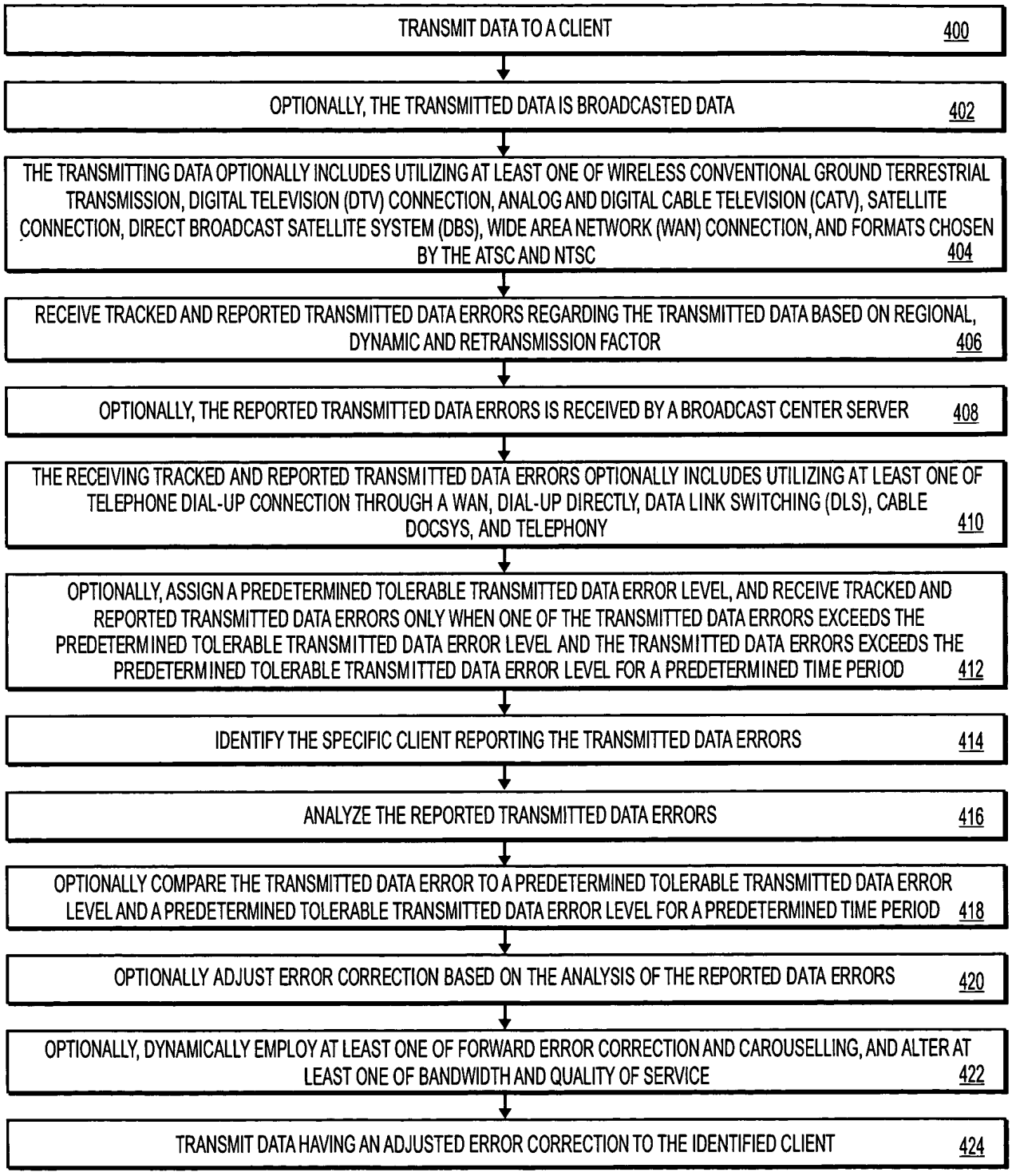

FIG. 4

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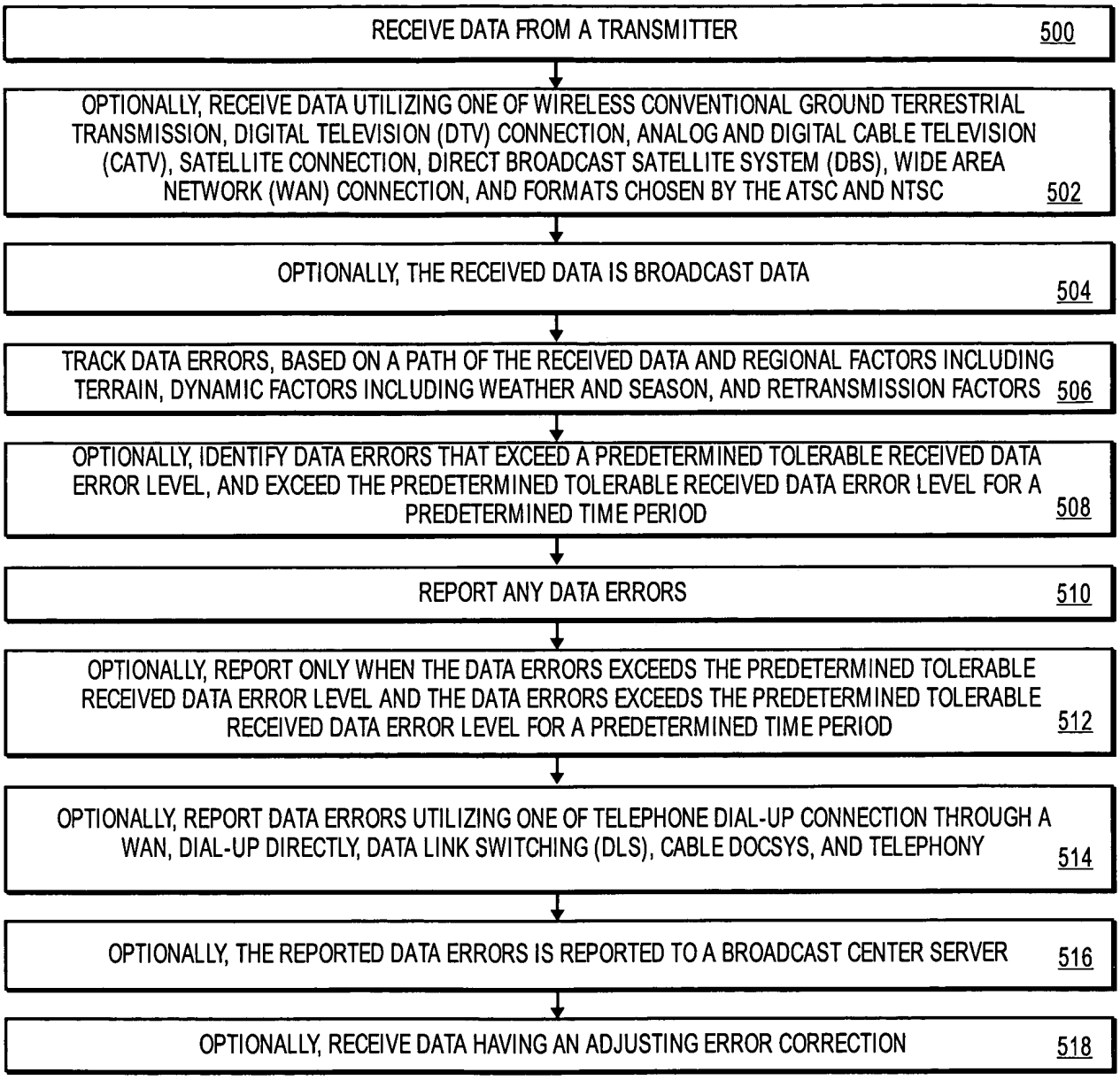

FIG. 5